

ABSTRACT

The present invention has for its object to provide a process for manufacturing multilayer printed circuit boards which is capable of simultaneous via hole filling and formation of conductor circuit and via holes of good crystallinity and uniform deposition can be constructed on a substrate and high-density wiring and highly reliable conductor connections can be realized without annealing.

The present invention is related to a process for manufacturing multilayer printed circuit boards which comprises disposing an interlayer resin insulating layer on a substrate formed with a conductor circuit, creating openings for formation of via holes in said interlayer resin insulating layer, forming an electroless plated metal layer on said interlayer resin insulating layer, disposing a resist thereon, performing electroplating, stripping the resist off and etching the electroless plated metal layer to provide a conductor circuit and via holes, wherein the electroplating is performed intermittently using said electroless plated metal layer as cathode and a plating metal as anode at a constant voltage between said anode and said cathode.